

Name: _____

1. Jordan earns \$500 gross pay in a week, and she works 25 hours, what is her hourly wage?

$$\$500 \div 25 = \$20 \text{ per hour}$$

2. Frank earns time and a half for overtime, his normal rate of pay is \$15 per hour
a) What is his overtime rate of pay?

$$\$15 \div 2 = 7.5$$

$$15 + 7.5 = \underline{\underline{22.50}}$$

- b) He works 40 hours regular time and 5 hours of overtime in a week, how much will he earn that week?

$$40 \times 15 = 600 \quad \leftarrow \text{regular}$$

$$5 \times 22.50 = \underline{112.50} \quad \leftarrow \text{OT}$$

$$\$712.50$$

3. John sells security systems door to door, he earns a 12.5% commission on each sale. Each system costs \$495 and he sold 53 in the past month, how much will John earn?

$$\text{Total sales} \quad 53 \times \$495 = 26235$$

$$\frac{x}{26235} = \frac{12.5}{100}$$

$$\boxed{\$3279.38}$$

4. Sally is a waitress, she is paid \$11 per hour but also earns tips. She serves \$1550 worth of food over a 5 hour shift, each customer tips on average 13%. How much will Sally earn in total?

Hourly Pay → $5 \times 11 = \$55$

tips → $\frac{x}{\$1550} = \frac{13}{100}$ \$201.50 in tips

Total is $\$55 + \$201.50 = \boxed{\$256.50}$

5. John runs a painting company, he agrees to paint on office for \$11,300. The project takes him 47 hours, he spends \$6696.46 on paint, \$1250.52 on other supplies, and pays an assistant \$15 per hour to help him. How much per hour is John earning from this contract?

Assistant Cost
 $15 \times 47 = 705$

$$\begin{array}{r} \$11,300 \\ - \$6696.46 \text{ Paint} \\ - 1250.52 \text{ other} \\ - 705 \text{ Assistant} \\ \hline \$2648.02 \text{ Profit} \end{array}$$

$$\$2648.02 \div 47 = \cancel{\$56.34} \text{ per hour} \\ \$56.34$$